

# Office of Scientific and Technical Information (OSTI) *The Home of Science.gov*

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U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Science



# What is OSTI?

OSTI is a program within DOE's Office of Science, with a corporate responsibility for ensuring access to DOE R&D results.

**Since  
1947!**

## **MISSION**

To advance science and sustain technological creativity by making R&D findings available and useful to Department of Energy (DOE) researchers and the public.



## **Our Forte?**

**Making R&D results  
findable via a single  
search box**

**Premise: Science advances only if  
knowledge is shared**

**Corollary: Accelerating the sharing of  
scientific knowledge accelerates the  
advancement of science**

***Accelerating the spread of knowledge inspires everything we do at OSTI***

# Architecture for Accelerating Scientific Discovery



## DOE R&D Results

**Integrates key DOE databases**

Covers a range of R&D results (reports, patents, citations, eprints, etc.)



## U.S. Gov R&D Results

**Integrates 13 U.S. science agencies**

Databases and websites offer over 200 million pages of science information



## Global R&D Results

**Integrates more than 70 nations**

Provides over 400 million pages of science information from databases and portals worldwide; performs multilingual search across 10 languages

# Single Search Box Discovery Tool



- Simplifies searching of key DOE STI databases into a single search box
  - More than 298,000 full-text documents
  - Over 5 million scientific e-prints
  - More than 2 million publicly available citations
  - More than 24,000 patents
  - More than 500 websites & databases
  - Conference papers & proceedings
- Results are integrated and displayed in relevance-ranked order
- ...and more

# Science.gov Integrates DOE R&D Results With Other Federal Agency R&D Results

- OSTI developed and operates Science.gov, a single search box portal of STI from 13 federal science agencies
- Science.gov represents 97 percent of the federal research and development budget – 200 million pages of science information, over 55 databases and 2,100 select websites
- Now with Spanish site, multimedia search, mobile site, updated design





# WorldWideScience.org – Enabling Access to Global R&D Results



- U.S. research results (Science.gov) plus research results from 70+ countries are searchable via single-query global science portal
- Multilingual WorldWideScience.org broke the language barrier
  - 10 languages and counting
- **> 400 million pages**
  - From well-known sources: e.g., PubMed, CERN, KoreaScience
  - To more obscure sources: e.g., Bangladesh Journals Online

